Please amend the application as follows:

In the Claims

Please amend Claims 9-12, 14, and 17-20. Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (pages i - iii).

C1

9. (Twice Amended) A method of analyzing a nucleic acid sample for polymorphisms associated with cardiovascular disease, comprising the steps of:

(a) obtaining a nucleic acid sample from one or more individuals, and

(b) determining the nucleotide occupying nucleotide position 11 of SEQ ID NO: 5.

10. (Twice Amended) A method according to Claim 9, wherein a plurality of nucleic acid samples is obtained from a plurality of individuals, and the nucleotide occupying nucleotide position 11 of SEQ ID NO: 5 is determined in each of the individuals.

C2

11. (Amended) A method according to Claim 9, further comprising testing each individual for the presence of a disease phenotype and correlating the presence of the disease phenotype with the nucleotide present at nucleotide position 11 of SEQ ID NO: 5.

C3

12. (Twice Amended) A method for predicting the likelihood that an individual will have a cardiovascular disease, comprising the steps of:

(a) obtaining a nucleic acid sample from an individual to be assessed; and

(b) determining the nucleotide present at nucleotide position 11 of SEQ ID NO: 5 for one or more nucleic acid molecules having a nucleotide sequence comprising SEQ ID NO: 5,

C3 CONT.

wherein the presence of a nucleotide associated with a lower likelihood of having a cardiovascular disease indicates that the individual has a lower likelihood of having a cardiovascular disease than if another nucleotide were present at nucleotide position 11 of SEQ ID NO: 5.

14. (Twice Amended) A method for predicting the likelihood that an individual will have a cardiovascular disease, comprising the steps of:

C4

(a) obtaining a nucleic acid sample from an individual to be assessed; and

(b) determining the nucleotide present at nucleotide position 11 of SEQ ID NO: 5 for one or more nucleic acid molecules having a nucleotide sequence comprising SEQ ID NO: 5,

wherein the presence of a nucleotide associated with a greater likelihood of having a cardiovascular disease indicates that the individual has a greater likelihood of having a cardiovascular disease than if another nucleotide were present at nucleotide position 11 of SEQ ID NO: 5.

17. (Amended) A method for predicting the likelihood that an individual will have coronary heart disease, comprising the steps of:

C5

(a) obtaining a nucleic acid sample from an individual to be assessed; and

(b) determining the nucleotide present at <u>nucleotide position 11 of SEQ ID NO: 5</u> <u>for</u> one or more nucleic acid molecules having a nucleotide sequence comprising SEQ ID NO: 5,

wherein the presence of a nucleotide associated with a lower likelihood of having coronary heart disease indicates that the individual has a lower likelihood of having coronary heart disease than if another nucleotide were present at nucleotide position 11 of SEQ ID NO: 5.

18. (Amended) The method of Claim 17, wherein the presence of a cytidine at nucleotide position 11of SEQ ID NO: 5 is indicative of a lower likelihood of the individual's having coronary heart disease.

19. (Amended) A method for predicting the likelihood that an individual will have coronary heart disease, comprising the steps of:

(a) obtaining a nucleic acid sample from an individual to be assessed; and

(b) determining the nucleotide present at nucleotide position 11 of SEQ ID NO: 5 for one or more nucleic acid molecules having a nucleotide sequence comprising SEQ ID NO: 5,

C5 cont

wherein the presence of a nucleotide associated with a greater likelihood of having coronary heart disease indicates that the individual has a greater likelihood of having acoronary heart disease than if another nucleotide were present at nucleotide position 11 of SEQ ID NO: 5.

20. (Amended) The method of Claim 19, wherein the presence of a thymine at nucleotide position 11of SEQ ID NO: 5 is indicative of a greater likelihood of the individual's having coronary heart disease.

Please add new Claims 21-24.

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21. (New) The method of Claim 12, wherein the presence of a cytidine at nucleotide position 11 of SEQ ID NO: 5 is indicative of a lower likelihood of the individual having a cardiovascular disease.

C6

22. (New) The method of Claim 12, wherein the presence of a cytidine at thymine position 11 of SEQ ID NO: 5 is indicative of a greater likelihood of the individual having a cardiovascular disease.

23. (New) The method of Claim 14, wherein the presence of a cytidine at nucleotide position 11 of SEQ ID NO: 5 is indicative of a lower likelihood of the individual having a cardiovascular disease.